## I claim:

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2		a hydraulic pump for pumping a hydraulic fluid through the hydraulic system at a
3	norm	al operating pressure;
4		a reservoir for holding the hydraulic fluid; and
5		a two-stage pressure relief valve comprising:
6		a first stage for compensating for increases in hydraulic system pressure
7		over the normal operating pressure and up to a selected threshold pressure
8		level; and
9		a second stage for bringing the hydraulic system pressure down to a
10		selected reduced operating pressure that is below the normal operating pressure
11		in response to increases in the operating pressure over the threshold pressure
12		level.
1	2.	The hydraulic system according to claim 1, further comprising:
2		an optional heat exchanger for cooling the hydraulic fluid.
1	3.	The hydraulic system according to claim 1, further comprising:
2		a timing means operably associated with the second stage for delaying full
3	opera	ation of the second stage.
1	4.	The hydraulic system according to claim 3, wherein the timing means is a flow
2	restri	ctor.
1	5.	The hydraulic system according to claim 3, wherein the timing means allows for
2	short	spikes in the pressure of the hydraulic system prior to opening of the second
3	stage	
1	6.	The hydraulic system according to claim 1, wherein the threshold pressure level

A hydraulic system for an aircraft comprising;

is about 22% higher than normal operating pressure.

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